

spring 61 is thereby compressed. Next, the energy values that have been determined in this manner are compared with one another, and the pre-stressing of the first spring 61 is adjustingly set in such a manner so that the same energy is stored in the two springs 61, 62, if these are compressed by the stroke travel distance I_m . The actuator is only installed into the internal combustion machine after this adjustment.

In the Claims:

Claims 1 to 3 and 7 are maintained unchanged.

Claims 4, 5 and 6 have previously been cancelled in applicants' First Preliminary Amendment.

Please enter new claims 8, 9 and 10 as follows.

8. (new) Electromagnetic actuator according to claim 1, characterized in that setting means (71, 72) for setting the pre-stressing of the springs (61, 62) are provided.

9. Electromagnetic actuator according to claim 8, characterized in that measuring means for measuring the progressions of the spring forces of the springs (61, 62) are provided.

10. Electromagnetic actuator according to claim 9,
characterized in that control means for controlling the